



**ALABAMA DEPARTMENT OF ECONOMIC AND COMMUNITY AFFAIRS
ENERGY DIVISION**

State Energy Plan

October 1, 2010 – September 30, 2011

State Energy Plan

October 1, 2010 – September 30, 2011

**ALABAMA DEPARTMENT OF ECONOMIC AND COMMUNITY AFFAIRS
ENERGY DIVISION**

Bob Riley
Governor

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Director

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Division Director

U.S. Department of Energy
STATE ENERGY PROGRAM

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PY 2010

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1. Program/Project Identification No. R410960		2. Program/Project Title The State Energy Program (SEP) provides grants to states and directs funding to state energy offices from technology programs in DOE's Office of Energy Efficiency and Renewable Energy. States use grants to address their energy priorities and program funding to adopt emerging renewable energy and energy efficiency technologies.	
3. Name and Address Alabama State of P.O. Box 5690 Montgomery AL 36103-5690		4. Program/Project Start Date 10/01/2010	5. Completion Date 09/30/2011

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Federal Catalog No. (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. DOE	81.041	\$ 0.00		\$ 373,000.00		\$ 373,000.00
2. LOCAL GOV			\$ 0.00		\$ 75,000.00	\$ 75,000.00
3. EXXON			\$ 0.00		\$ 69,606.00	\$ 69,606.00
4. CRUDE OIL			\$ 0.00		\$ 175,394.00	\$ 175,394.00
5. TOTAL		\$ 0.00	\$ 0.00	\$ 373,000.00	\$ 320,000.00	\$ 693,000.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	Grant Program, Function or Activity				Total (5)
	(1) DOE	(2) EXXON	(3) CRUDE OIL	(4) LOCAL MATCH	
a. Personnel	\$ 206,793.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 206,793.00
b. Benefits	\$ 76,665.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 76,665.00
c. Travel	\$ 7,000.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 7,000.00
d. Equipment	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
e. Supplies	\$ 4,171.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 4,171.00
f. Contract	\$ 55,000.00	\$ 69,606.00	\$ 175,394.00	\$ 75,000.00	\$ 375,000.00
g. Construction	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
h. Other	\$ 14,700.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 14,700.00
i. Total Direct Charges	\$ 364,329.00	\$ 69,606.00	\$ 175,394.00	\$ 75,000.00	\$ 684,329.00
j. Indirect	\$ 8,671.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 8,671.00
k. Totals	\$ 373,000.00	\$ 69,606.00	\$ 175,394.00	\$ 75,000.00	\$ 693,000.00
7. Program Income	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

U.S. Department of Energy
Supplemental Schedule #1 - Details of DOE F 4600.4 line 6 of Section B
(Budget Category by Funding Sources)

Identification: R410960

Application period: 10/01/2010 - 09/30/2011

SOURCE	Grant Program, Function, or Activity				Total (all columns)
	DOE	EXXON	CRUDE OIL	LOCAL MATCH	
DOE	373,000.00	.00	.00	.00	373,000.00
LOCAL GOV	.00	.00	.00	75,000.00	75,000.00
EXXON	.00	69,606.00	.00	.00	69,606.00
CRUDE OIL	.00	.00	175,394.00	.00	175,394.00
TOTALS	373,000.00	69,606.00	175,394.00	75,000.00	693,000.00

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - ADECA Program Support

1. Market (choose one):

<input type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input checked="" type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2010

Date Start: 10/01/2010 Date End: 09/30/2011

4. Topics Involved in the Overall Program Market (choose all that apply):

<input checked="" type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input checked="" type="checkbox"/> Procurement of efficient products **
<input checked="" type="checkbox"/> Alternative Fuels	<input checked="" type="checkbox"/> Federal, state and local facilities	<input checked="" type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input checked="" type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input checked="" type="checkbox"/> Right turn on red **
<input checked="" type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input checked="" type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input checked="" type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input checked="" type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input type="checkbox"/> Demand reduction	<input checked="" type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input checked="" type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input checked="" type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input checked="" type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input type="checkbox"/> Water systems
<input type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input checked="" type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input checked="" type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 6,714.00 MBtus

6. Description (executive summary of goals and objectives)* :

Transform energy markets by increasing awareness of energy efficiency products, services and practices, supporting programs that contribute to a reduction in U.S. imported oil dependency and enhancing the resiliency of our energy system. Programs will include the promotion and expansion of energy-efficient practices, renewable energy, alternative transportation fuels, energy efficiency and renewable energy technologies, the reduction of energy usage in public buildings and industry, the reduction of impacts of energy shortages and/or disruptions along with others. All mandatory activities will be implemented. Measurable savings will be attributed to individual topics involved in the overall program markets. All programs will be monitored and evaluated for program compliance and effectiveness. All Narrative Information Worksheets with an Admin prefix in the State Title represent in-house activities that are included in the budget below. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title are for personnel, fringe, travel, supplies, and other direct charges involving the management of the State Energy Program. Additional information is located in the GO-PF20a.

DOE F 540.1
(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - ADECA Program Support

7. Program Year Milestones* :

	Milestone	Planned (Number)
1	Prepare and execute Subgrant awards	2
2	Conduct subgrantee training	1
3	Maintain and update web site on energy programs and information on energy efficiency (ongoing quarterly activity)	4
4	Promote energy programs and energy efficiency practices through presentations and exhibits	6
5	Review subgrantee invoices for compliance with fiscal policies	8
6	Distribute energy efficiency, energy conservation, and alternative fuel information	2,000
7	Review subgrantee reports for program effectiveness (ongoing quarterly activity)	4
8	Prepare quarterly progress reports to DOE	4
9	Prepare revised SEP Plan for actual carryover funds	1
10	Develop and Submit PY2011 State Energy Plan to DOE	1
11	Conduct monitoring of Subgrant programs	2
12	Prepare closeout notices for subgrantees	2
13	Prepare and submit quarterly energy savings metrics	4

8. Standard metrics (required)**

JOB METRICS		Planned
Jobs		
Hours worked		
Total hours worked through Recovery Act funds		0
Total hours worked through Non-Federal funds		0

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Special exception: No metrics for this activity	
No metrics for this activity	
Exempt from metric reporting	Yes

10. User specified metrics (optional)*

METRICS	Planned
Technical Assistance	
Information contacts (e.g., webinars, site visits, media, fact sheet) in which energy efficiency or renewable energy measures	
Number of contacts (All sectors)	200
Workshops, Training, and Education	
Workshops, training, and education sessions, by sector	
Number of workshops, training, and education sessions held (All sectors)	6
Number of people attending (All sectors)	120

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - ADECA Program Support

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
Federal	\$318,000.00
Market Budget Total	\$318,000.00
b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - Alternative Transportation Fuels Program

1. Market (choose one):

<input type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input checked="" type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2010

Date Start: 10/01/2010 Date End: 09/30/2011

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input type="checkbox"/> Procurement of efficient products **
<input checked="" type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input checked="" type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input checked="" type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input type="checkbox"/> Schools
<input checked="" type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input checked="" type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input type="checkbox"/> Water systems
<input type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 5,129.00 MBtus

6. Description (executive summary of goals and objectives)* :

The State Energy Office (SEO) will promote the production, distribution and use of alternative transportation fuels in Alabama. This will be accomplished by building and maintaining strong partnerships with alternative fuel stakeholders to provide active outreach and serve as an information clearinghouse to potential producers, distributors, and consumers. The SEO will partner with the Alabama Clean Fuels Coalition (ACFC) to host two alternative fuel workshops and the SEO Alternative Fuels Program Manager will serve on the Alabama Green Fleets Committee which is task by Alabama Law to help state agencies improve the energy efficiency and reduce emissions of state fleets. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title are used for administrative costs associated with the management of this program by Energy Division personnel.

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**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - Alternative Transportation Fuels Program

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Partner with ACFC to host alternative fuels workshops	2
2	Monitor alternative transportation fuels grants	1
3	Participate in Green Fleets Committee meetings	2
4	Provide alternative fuels related information as requested	24
5	Promote Alternative Transportation Fuels on the SEO web site (ongoing quarterly activity)	4
6	Prepare and submit quarterly Program Status Reports	4
7	Prepare and submit quarterly energy savings metrics	4

8. Standard metrics (required)**

JOB METRICS		Planned
Jobs		
Hours worked		
Total hours worked through Recovery Act funds		0
Total hours worked through Non-Federal funds		0

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Special exception: No metrics for this activity	
No metrics for this activity	
Exempt from metric reporting	Yes

10. User specified metrics (optional)*

METRICS	Planned
Technical Assistance	
Information contacts (e.g., webinars, site visits, media, fact sheet) in which energy efficiency or renewable energy measures	
Number of contacts (All sectors)	24
Workshops, Training, and Education	
Workshops, training, and education sessions, by sector	
Number of workshops, training, and education sessions held (All sectors)	2
Number of people attending (All sectors)	120

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
Market Budget Total	
b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - Building Energy Codes (includes mandatory)

1. Market (choose one):

<input checked="" type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2010

Date Start: 10/01/2010 Date End: 09/30/2011

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input type="checkbox"/> Procurement of efficient products **
<input type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input checked="" type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input type="checkbox"/> Demand reduction	<input checked="" type="checkbox"/> Lighting **	<input type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Transportation alternatives
<input type="checkbox"/> Energy and environment	<input type="checkbox"/> Manufacturing	<input type="checkbox"/> Waste management and recycling
<input checked="" type="checkbox"/> Energy building codes	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Water systems
<input type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Performance contracting	<input type="checkbox"/> Wind energy
<input type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Policy and energy legislation	
<input type="checkbox"/> ENERGY STAR		

5. Estimated Annual Energy Savings : 227,608.00 MBtus

6. Description (executive summary of goals and objectives)* :

Act 2010-185, signed in March 2010, allows for the establishment of the Alabama Energy and Residential Code (AERC) Board which will have the authority to develop and adopt residential and commercial building codes. After development and adoption of the code for use throughout the state, the ADECA Energy Division will work with local building departments to implement and enforce the codes adopted. Assistance will also be provided to building inspectors and code officials throughout the state to ensure proper reporting of jobs created, energy saved and emissions reduced through implementation and enforcement of the codes. The AERC Board will continue to promote the adoption of residential and commercial energy codes throughout the state. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title are used for administrative costs associated with the management of this program by Energy Division personnel.

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - Building Energy Codes (includes mandatory)

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Administer Alabama Energy and Residential Code (AERC) Board activities and facilitate board meetings	2
2	Work directly with local building departments to implement newly adopted residential and commercial energy codes.	5
3	Work with local building departments to introduce and implement recently developed compliance and reporting programs	5
4	Provide technical assistance to architects, engineers and builders as needed	10
5	Prepare and submit quarterly Program Status Reports (PSRs)	4
6	Prepare and submit quarterly energy savings metrics	4

8. Standard metrics (required)**

JOB METRICS		Planned
Jobs		
Hours worked		
Total hours worked through Recovery Act funds		0
Total hours worked through Non-Federal funds		0

9. Specific metric activity (required)**

SPECIFIC METRICS		Planned
Building Codes and Standards		
Building code adoption		
New and existing buildings covered by new code (ASHRAE 90.1-1989; ASHRAE 90.1-2007)		10
New and existing buildings covered by new code (ASHRAE 90.1-1989; IECC 2009)		10

10. User specified metrics (optional)*

METRICS		Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)		
Market Budget Total		
b. Leveraged funds anticipated (outside approved budget)		

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - Energy Efficient Procurement (includes mandatory)

1. Market (choose one):

<input type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input type="checkbox"/> Policy, Planning and Energy Security
<input checked="" type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2010

Date Start: 10/01/2010 Date End: 09/30/2011

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input checked="" type="checkbox"/> Procurement of efficient products **
<input type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input type="checkbox"/> Water systems
<input type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input checked="" type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 24,508.00 MBtus

6. Description (executive summary of goals and objectives)* :

The ADECA Energy Division will assist the Procurement Subcommittee of the Green Fleets Committee in complying with Act 2009-652 signed by the Governor in May 2009 allowing life-cycle-costing to be utilized in determining the lowest cost for certain energy efficient products. A list of energy-efficient products commonly purchased by state agencies which can be utilized for life-cycle-costing in acceptance of bids for these products has been developed and provided to the Purchasing Division. Updates will be provided on a regular basis for new products and revisions to current product specifications. The Energy Division will also assist in developing procedures and forms for including life-cycle-costing in bid documents. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title are used for administrative costs associated with the management of this program by Energy Division personnel.

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - Energy Efficient Procurement (includes mandatory)

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Assist Finance Dept. Division of Purchasing develop procedures and guidelines for including life-cycle-costing for energy-efficient products into the typical bid process	1
2	Provide current and any changes in ENERGY STAR products and other energy efficient products to the Finance Department Division of Purchasing.	4
3	Prepare and submit quarterly Program Status Reports (PSRs)	4
4	Prepare and submit quarterly energy savings metrics	4

8. Standard metrics (required)**

JOB METRICS		Planned
Jobs		
Hours worked		
Total hours worked through Recovery Act funds		0
Total hours worked through Non-Federal funds		0

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Special exception: No metrics for this activity	
No metrics for this activity	
Exempt from metric reporting	Yes

10. User specified metrics (optional)*

METRICS	Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
Market Budget Total	
b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - Energy Emergency and Assurance Plan

1. Market (choose one):

<input type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input checked="" type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2010

Date Start: 10/01/2010 Date End: 09/30/2011

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input type="checkbox"/> Procurement of efficient products **
<input type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input type="checkbox"/> Water systems
<input type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input checked="" type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 0.00 MBtus

6. Description (executive summary of goals and objectives)* :

The primary goal is to serve as the state point of contact for energy emergency and assurance. This requires coordination with various state agencies and energy industries. The energy emergency and assurance plan and procedures are used in responding to state emergencies that include energy components. The SEO will be updating the Energy Emergency and Assurance Plan through formula funding provided by solicitation DE-FOA-0000091. The Plan will not be updated under the State Energy Program; however, a copy of the updated plan will be forwarded to DOE upon completion. All SEP funds associated with this market title are used for administrative costs associated with the management of this program by Energy Division personnel.

DOE F 540.1
(08/05)

**U.S. Department of Energy
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OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - Energy Emergency and Assurance Plan

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Attend state and regional exercises/training sessions	2
2	Act as lead agency for Emergency Support Function 12	1
3	Assist state emergency operations center as requested	2
4	Complete National Incident Management System (NIMS) Implementation Activities to become NIMS compliant for FY11	1
5	Prepare and submit quarterly Program Status Reports	4

8. Standard metrics (required)**

JOB METRICS		Planned
Jobs		
Hours worked		
Total hours worked through Recovery Act funds		0
Total hours worked through Non-Federal funds		0

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Special exception: No metrics for this activity	
No metrics for this activity	
Exempt from metric reporting	Yes

10. User specified metrics (optional)*

METRICS	Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
Market Budget Total	
b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - Industrial Energy

1. Market (choose one):

<input type="checkbox"/> Buildings	<input checked="" type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2010

Date Start: 10/01/2010 Date End: 09/30/2011

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input type="checkbox"/> Procurement of efficient products **
<input checked="" type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input checked="" type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input type="checkbox"/> State energy strategic plans
<input checked="" type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input checked="" type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input checked="" type="checkbox"/> Demand reduction	<input checked="" type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input checked="" type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input type="checkbox"/> Energy building codes	<input checked="" type="checkbox"/> Manufacturing	<input type="checkbox"/> Water systems
<input checked="" type="checkbox"/> Energy consumption and price statistics	<input checked="" type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 1,470.00 MBtus

6. Description (executive summary of goals and objectives)* :

The Alabama State Energy Office (SEO) will promote energy efficiency in industrial facilities and participation in the DOE Industrial Technologies Program to improve processes and practices that reduce energy use and costs of operation. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title are used for administrative costs associated with the management of this program by Energy Division personnel.

7. Program Year Milestones* :

	Milestone	Planned (Number)
1	Promote industrial energy efficiency through organizational and industrial contacts such as Manufacture Alabama and through targeted outreach using the SEO database (ongoing quarterly activity)	4
2	Distribute DOE on-line promotional materials to industrial energy users	8
3	Prepare and submit Quarterly Program Status Reports	4
4	Prepare and submit quarterly energy savings metrics	4

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(Identification Number: R410960)

Market Title: ADMIN - Industrial Energy

8. Standard metrics (required)**

JOB METRICS		Planned
Jobs		
Hours worked		
Total hours worked through Recovery Act funds		0
Total hours worked through Non-Federal funds		0

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Special exception: No metrics for this activity	
No metrics for this activity	
Exempt from metric reporting	Yes

10. User specified metrics (optional)*

METRICS	Planned
Technical Assistance	
Information contacts (e.g., webinars, site visits, media, fact sheet) in which energy efficiency or renewable energy measures	
Number of contacts (Industrial)	50

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
Market Budget Total	
b. Leveraged funds anticipated (outside approved budget)	

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(08/05)

**U.S. Department of Energy
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OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - Local Government Energy Loan Program

1. Market (choose one):

<input checked="" type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2010

Date Start: 10/01/2010 Date End: 09/30/2011

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input type="checkbox"/> Procurement of efficient products **
<input type="checkbox"/> Alternative Fuels	<input checked="" type="checkbox"/> Federal, state and local facilities	<input type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input checked="" type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input checked="" type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input type="checkbox"/> Water systems
<input type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 12,300.00 MBtus

6. Description (executive summary of goals and objectives)* :

Promote the Local Government Energy Loan Program to local governments, K12 school systems, and colleges and universities. Provide zero-interest loans for energy conservation improvements, energy audits and building retrofits through Stripper Well funds. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title are used for administrative costs associated with the management of this program by Energy Division personnel. Program loans will be issued utilizing oil overcharge funds (Stripper).

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(08/05)

**U.S. Department of Energy
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Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - Local Government Energy Loan Program

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Conduct outreach to local governments, school systems and colleges and universities to market the program	4
2	Distribute loan program materials and loan applications to interested qualifying applicants	10
3	Review loan applications and make recommendations for funding	3
4	Maintain and document annual energy savings from implemented projects	2
5	Prepare articles for publication	3
6	Prepare and submit quarterly Program Status Reports	4
7	Prepare and submit quarterly energy savings metrics	4

8. Standard metrics (required)**

JOB METRICS		Planned
Jobs		
Hours worked		
Total hours worked through Recovery Act funds		0
Total hours worked through Non-Federal funds		0

9. Specific metric activity (required)**

SPECIFIC METRICS		Planned
Loans and Grants		
Loans given		
Number of loans		3
Total monetary value of loans		750,000

10. User specified metrics (optional)*

METRICS		Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)		
Market Budget Total		
b. Leveraged funds anticipated (outside approved budget)		

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**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
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OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - Renewable Energy Program

1. Market (choose one):

<input type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input checked="" type="checkbox"/> Electric Power and Renewable Energy	<input type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2010

Date Start: 10/01/2010 Date End: 09/30/2011

4. Topics Involved in the Overall Program Market (choose all that apply):

<input checked="" type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input type="checkbox"/> Procurement of efficient products **
<input checked="" type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input checked="" type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input checked="" type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input checked="" type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input checked="" type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input checked="" type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input type="checkbox"/> Water systems
<input type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 10,805.00 MBtus

6. Description (executive summary of goals and objectives)* :

The Alabama State Energy Office (SEO) will work to increase the use of renewable energy in Alabama by promoting biofuels, solar, and biomass energy and by advocating for renewable energy policy. The SEO will serve as a clearinghouse for renewable energy related information and will host the annual Alabama Renewable Energy Conference. The SEO will partner with the University of Alabama in Huntsville (UAH) to administer and promote the Biomass energy Program. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title are used for administrative costs associated with the management of this program by Energy Division personnel.

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(08/05)

U.S. Department of Energy
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OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - Renewable Energy Program

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Host 2010 Alabama Renewable Energy Conference	1
2	Establish 2011 Renewable Energy Conference Planning Committee	1
3	Secure speakers for 2011 Alabama Renewable Energy Conference	1
4	Develop agenda for 2011 Alabama Renewable Energy Conference	1
5	Develop/distribute renewable energy information and respond to information requests	24
6	Promote Renewable Energy programs on the SEO web site	1
7	Partner with the UAH to conduct the Biomass energy Program	1
8	Promote the Biomass energy Program through targeted outreach	2
9	Prepare and submit quarterly Program Status Reports	4

8. Standard metrics (required)**

JOB METRICS		Planned
Jobs		
Hours worked		
Total hours worked through Recovery Act funds		0
Total hours worked through Non-Federal funds		0

9. Specific metric activity (required)**

SPECIFIC METRICS		Planned
Special exception: No metrics for this activity		
No metrics for this activity		
Exempt from metric reporting		Yes

10. User specified metrics (optional)*

METRICS		Planned
Technical Assistance		
Information contacts (e.g., webinars, site visits, media, fact sheet) in which energy efficiency or renewable energy measures		
Number of contacts (All sectors)		24
Workshops, Training, and Education		
Workshops, training, and education sessions, by sector		
Number of workshops, training, and education sessions held (All sectors)		1
Number of people attending (All sectors)		200

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
Market Budget Total	

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(08/05)

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Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - Renewable Energy Program

b. Leveraged funds anticipated (outside approved budget)

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(08/05)

**U.S. Department of Energy
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OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - State Building Energy Efficiency Program (includes mandatory)

1. Market (choose one):

<input checked="" type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2010

Date Start: 10/01/2010 Date End: 09/30/2011

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input checked="" type="checkbox"/> Federal Energy Management Program	<input checked="" type="checkbox"/> Procurement of efficient products **
<input type="checkbox"/> Alternative Fuels	<input checked="" type="checkbox"/> Federal, state and local facilities	<input type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input checked="" type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input type="checkbox"/> State energy strategic plans
<input checked="" type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input checked="" type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input checked="" type="checkbox"/> Distributed energy generation	<input checked="" type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input checked="" type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input checked="" type="checkbox"/> Water systems
<input type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input type="checkbox"/> Energy emergency planning	<input checked="" type="checkbox"/> Performance contracting	
<input checked="" type="checkbox"/> ENERGY STAR	<input checked="" type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 15,247.00 MBtus

6. Description (executive summary of goals and objectives)* :

The Energy Division will work with the new Governor's administration to develop a new Executive Order (EO) to replace EO33. A baseline will be developed for state agencies. Goals will be established to reduce energy consumption a minimum of 3 percent per year after 2010. Assist State agency Energy Officers with plans to reduce energy usage in State buildings. HVAC systems will be evaluated to upgrade performance and improve maintenance procedures. Performance Contracts will be recommended for consideration in situations where significant waste and limited funds make them economically attractive. ENERGY STAR products and premium efficiency motors will be specified in general maintenance purchases to the extent that current bid laws allow. Will recommend that renovations will include specifications for energy efficient products and design. Meetings will be held with Energy Officers to include presentations on energy efficiency improvements and to ensure goals and objectives are being met. Additional training will be conducted on EPA's Portfolio Manager and methods of reducing energy costs and increasing energy efficiency. Provide current energy wide information to state agencies. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title are used for administrative costs associated with the management of this program by Energy Division personnel.

DOE F 540.1
(08/05)

**U.S. Department of Energy
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NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - State Building Energy Efficiency Program (includes mandatory)

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Conduct training for State Agency Energy Officers and meet with Energy Team members on achieving energy reductions and goals of program.	5
2	Meet with state agencies pursuing a performance contract to advise and guide them through the various stages of the procurement process.	5
3	Review renovation and energy upgrade plans not involving performance contracts.	2
4	Collect and Review progress reports from Energy Officers on state buildings program.	10
5	Submit annual progress report to the Governor and Finance Department.	1
6	Assist with the planning of Energy Savings and Performance Contracting Conference.	1
7	Prepare and submit quarterly program status reports	4
8	Prepare and submit quarterly energy savings metrics	4
9	Prepare and submit Annual Energy Efficiency Report	1

8. Standard metrics (required)**

JOB METRICS	Planned
Jobs	
Hours worked	
Total hours worked through Recovery Act funds	0
Total hours worked through Non-Federal funds	0

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Special exception: No metrics for this activity	
No metrics for this activity	
Exempt from metric reporting	Yes

10. User specified metrics (optional)*

METRICS	Planned
Workshops, Training, and Education	
Workshops, training, and education sessions, by sector	
Number of workshops, training, and education sessions held (All sectors)	5
Number of people attending (All sectors)	50

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
Market Budget Total	
b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

U.S. Department of Energy
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OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - Transportation Rideshare (mandatory)

1. Market (choose one):

- | | |
|--|---|
| <input type="checkbox"/> Buildings | <input type="checkbox"/> Industry |
| <input type="checkbox"/> Electric Power and Renewable Energy | <input type="checkbox"/> Policy, Planning and Energy Security |
| <input type="checkbox"/> Energy Education | <input checked="" type="checkbox"/> Transportation |

2. State: AL

3. Program Year: 2010

Date Start: 10/01/2010 Date End: 09/30/2011

4. Topics Involved in the Overall Program Market (choose all that apply):

- | | | |
|--|---|--|
| <input type="checkbox"/> Agriculture | <input type="checkbox"/> Federal Energy Management Program | <input type="checkbox"/> Procurement of efficient products ** |
| <input type="checkbox"/> Alternative Fuels | <input checked="" type="checkbox"/> Federal, state and local facilities | <input checked="" type="checkbox"/> Public information |
| <input type="checkbox"/> Appliance efficiency and standards | <input type="checkbox"/> Financing energy programs | <input type="checkbox"/> Rating and labeling |
| <input type="checkbox"/> Bioenergy and biobased products | <input type="checkbox"/> Fuel cells | <input type="checkbox"/> Rebuild America |
| <input type="checkbox"/> Biomass Power | <input type="checkbox"/> General energy efficiency for industry | <input type="checkbox"/> Residential buildings |
| <input type="checkbox"/> Building America | <input type="checkbox"/> Geothermal | <input type="checkbox"/> Right turn on red ** |
| <input checked="" type="checkbox"/> Carpools, vanpools, and ridesharing ** | <input type="checkbox"/> Green power programs | <input type="checkbox"/> Schools |
| <input type="checkbox"/> Clean Cities | <input type="checkbox"/> Heavy vehicles and trucks | <input type="checkbox"/> Solar power |
| <input type="checkbox"/> Climate change planning | <input type="checkbox"/> Home energy ratings | <input type="checkbox"/> State energy strategic plans |
| <input type="checkbox"/> Combined heat and power | <input type="checkbox"/> Hydrogen | <input type="checkbox"/> Telecommuting |
| <input type="checkbox"/> Commercial buildings | <input type="checkbox"/> Hydropower | <input type="checkbox"/> Thermal ** |
| <input type="checkbox"/> Curriculum development | <input type="checkbox"/> Industrial processing | <input type="checkbox"/> Traffic signals |
| <input type="checkbox"/> Demand reduction | <input type="checkbox"/> Industries of the future | <input type="checkbox"/> Transmission and infrastructure reliability |
| <input type="checkbox"/> Distributed energy generation | <input type="checkbox"/> Lighting ** | <input checked="" type="checkbox"/> Transportation alternatives |
| <input type="checkbox"/> Energy and environment | <input type="checkbox"/> Low-income Weatherization | <input type="checkbox"/> Waste management and recycling |
| <input type="checkbox"/> Energy building codes | <input type="checkbox"/> Manufacturing | <input type="checkbox"/> Water systems |
| <input type="checkbox"/> Energy consumption and price statistics | <input type="checkbox"/> Motors and other industrial systems | <input type="checkbox"/> Wind energy |
| <input type="checkbox"/> Energy emergency planning | <input type="checkbox"/> Performance contracting | |
| <input type="checkbox"/> ENERGY STAR | <input type="checkbox"/> Policy and energy legislation | |

5. Estimated Annual Energy Savings : 0.00 MBtus

6. Description (executive summary of goals and objectives)* :

This project will promote carpools, vanpools, public transportation and CommuteSmart on-line ride-matching services. Marketing information will be distributed and promotional activities will be coordinated to promote public transportation and rideshare alternatives in urban and local areas which in turn will expand capacity of transportation systems where appropriate. Links to related sites for personal transportation alternatives are maintained on the Alabama State Energy Office (SEO) website. Energy savings will be reported with DOE generated metrics which will assist in optimizing the efficiency of rideshare and the transportation systems. All SEP funds associated with this market title are used for administrative costs associated with the management of this program by Energy Division personnel.

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN - Transportation Rideshare (mandatory)

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Promote transportation energy efficiency through public outreach events	4
2	Coordinate CommuteSmart promotional activities	4
3	Distribute CommuteSmart marketing materials to state departments, area employers, and interested individuals	200
4	Prepare and submit quarterly Program Status Reports (PSRs)	4
5	Prepare and submit quarterly energy savings metrics	4

8. Standard metrics (required)**

JOB METRICS		Planned
Jobs		
Hours worked		
Total hours worked through Recovery Act funds		0
Total hours worked through Non-Federal funds		0

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Special exception: No metrics for this activity	
No metrics for this activity	
Exempt from metric reporting	Yes

10. User specified metrics (optional)*

METRICS	Planned
Transportation	
New carpools and vanpools formed	
Carpools and vanpools formed	2

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
Market Budget Total	
b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN Energy Education and Consumer Outreach

1. Market (choose one):

<input type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input type="checkbox"/> Policy, Planning and Energy Security
<input checked="" type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2010

Date Start: 10/01/2010 Date End: 09/30/2011

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input type="checkbox"/> Procurement of efficient products **
<input type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input checked="" type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input checked="" type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input checked="" type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input type="checkbox"/> Water systems
<input type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input checked="" type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 2,363.00 MBtus

6. Description (executive summary of goals and objectives)* :

Promote an energy efficiency education outreach program that focuses on developing and implementing an Energy Patrol program in Alabama elementary, middle and high schools. Information will be provided to the teachers, students and administrators on the benefits of energy efficiency. Participating teachers and their students will benefit instructionally, with a resulting increase in environmental and energy literacy. In addition, energy efficiency will be promoted through public outreach and consumer education. Brochures, presentations, and exhibits will be provided at events targeting consumers throughout the state, which demonstrate energy-saving measures and provide information on the most energy-efficient products and building practices available. Energy savings will be reported with DOE generated metrics.

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: ADMIN Energy Education and Consumer Outreach

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Promote energy efficiency and ENERGY STAR through public outreach events and direct information dissemination	2
2	Promote Energy Patrol to K-12 schools through statewide/regional workshops and training	6
3	Distribute Energy Patrol to K-12 through statewide/regional workshops as requested	150
4	Provide hands-on activities on energy topics in K-12 schools	10
5	Work with Energy Education Advisory Committee to develop new and innovative approaches to Energy Education in K-12 schools.	2
6	Prepare and submit quarterly Program Status Reports	4
7	Prepare and submit quarterly energy savings metrics	4

8. Standard metrics (required)**

JOB METRICS		Planned
Jobs		
Hours worked		
Total hours worked through Recovery Act funds		0
Total hours worked through Non-Federal funds		0

9. Specific metric activity (required)**

SPECIFIC METRICS		Planned
Workshops, Training, and Education		
Workshops, training, and education sessions, by sector		
Number of workshops, training, and education sessions held (All sectors)		6
Number of people attending (All sectors)		60

10. User specified metrics (optional)*

METRICS		Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
Market Budget Total	
b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: Advanced Metering (New)

1. Market (choose one):

<input checked="" type="checkbox"/> Buildings	<input type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2010

Date Start: 10/01/2010 Date End: 09/30/2011

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input checked="" type="checkbox"/> Federal Energy Management Program	<input type="checkbox"/> Procurement of efficient products **
<input type="checkbox"/> Alternative Fuels	<input checked="" type="checkbox"/> Federal, state and local facilities	<input type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input type="checkbox"/> Curriculum development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input checked="" type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input type="checkbox"/> Water systems
<input checked="" type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 310.00 MBtus

6. Description (executive summary of goals and objectives)* :

The Energy Division will issue a Request for Proposals to enter into a third party agreement with a subrecipient to install smart meters at selected state facilities. The subrecipient will review agency requests and develop a selection process for facilities to receive meters. The Energy Division anticipates being able to purchase approximately 100 meters. The meters must be capable of receiving, processing, and reporting digital inputs for all utilities supplied to a building. Meter reporting capabilities must include the ability to report actual versus benchmark data for energy consumption (BTU/SF) and track and measure energy efficiency gains. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title will be used to reimburse a third party subgrantee for implementation of the program. \$67,500 in matching funds will be provided by the subgrantee.

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: Advanced Metering (New)

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Develop a selection process for agencies to receive and install meters	1
2	Develop a list of proposed facilities and meter locations	1
3	Install and test meters for accuracy	100
4	Train agency personnel on equipment and reports	1
5	Monitor data collection techniques and all technical requirements needed to ensure accurate, secure and timely collection of data once installed	1
6	Prepare and submit quarterly Program Status Reports	4
7	Prepare and submit quarterly energy savings metrics	4
8	Prepare and submit Annual Energy Savings Report	1

8. Standard metrics (required)**

JOB METRICS		Planned
Jobs		
Hours worked		
Total hours worked through Recovery Act funds		0
Total hours worked through Non-Federal funds		0

9. Specific metric activity (required)**

SPECIFIC METRICS		Planned
Loans and Grants		
Grants given		
Number of grants		1
Total monetary value of grants		270,000

10. User specified metrics (optional)*

METRICS		Planned

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
Federal	\$25,000.00
OTHER	\$175,394.00
LOCAL GOV	\$67,500.00
EXXON	\$69,606.00
Market Budget Total	\$337,500.00
b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

**U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET**

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: Rural Water Leak Detection Program

1. Market (choose one):

<input type="checkbox"/> Buildings	<input checked="" type="checkbox"/> Industry
<input type="checkbox"/> Electric Power and Renewable Energy	<input type="checkbox"/> Policy, Planning and Energy Security
<input type="checkbox"/> Energy Education	<input type="checkbox"/> Transportation

2. State: AL

3. Program Year: 2010

Date Start: 10/01/2010 Date End: 09/30/2011

4. Topics Involved in the Overall Program Market (choose all that apply):

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Federal Energy Management Program	<input type="checkbox"/> Procurement of efficient products **
<input type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Federal, state and local facilities	<input type="checkbox"/> Public information
<input type="checkbox"/> Appliance efficiency and standards	<input type="checkbox"/> Financing energy programs	<input type="checkbox"/> Rating and labeling
<input type="checkbox"/> Bioenergy and biobased products	<input type="checkbox"/> Fuel cells	<input type="checkbox"/> Rebuild America
<input type="checkbox"/> Biomass Power	<input type="checkbox"/> General energy efficiency for industry	<input type="checkbox"/> Residential buildings
<input type="checkbox"/> Building America	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Right turn on red **
<input type="checkbox"/> Carpools, vanpools, and ridesharing **	<input type="checkbox"/> Green power programs	<input type="checkbox"/> Schools
<input type="checkbox"/> Clean Cities	<input type="checkbox"/> Heavy vehicles and trucks	<input type="checkbox"/> Solar power
<input type="checkbox"/> Climate change planning	<input type="checkbox"/> Home energy ratings	<input type="checkbox"/> State energy strategic plans
<input type="checkbox"/> Combined heat and power	<input type="checkbox"/> Hydrogen	<input type="checkbox"/> Telecommuting
<input type="checkbox"/> Commercial buildings	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Thermal **
<input type="checkbox"/> Commercial development	<input type="checkbox"/> Industrial processing	<input type="checkbox"/> Traffic signals
<input checked="" type="checkbox"/> Demand reduction	<input type="checkbox"/> Industries of the future	<input type="checkbox"/> Transmission and infrastructure reliability
<input type="checkbox"/> Distributed energy generation	<input type="checkbox"/> Lighting **	<input type="checkbox"/> Transportation alternatives
<input type="checkbox"/> Energy and environment	<input type="checkbox"/> Low-income Weatherization	<input type="checkbox"/> Waste management and recycling
<input type="checkbox"/> Energy building codes	<input type="checkbox"/> Manufacturing	<input checked="" type="checkbox"/> Water systems
<input type="checkbox"/> Energy consumption and price statistics	<input type="checkbox"/> Motors and other industrial systems	<input type="checkbox"/> Wind energy
<input type="checkbox"/> Energy emergency planning	<input type="checkbox"/> Performance contracting	
<input type="checkbox"/> ENERGY STAR	<input type="checkbox"/> Policy and energy legislation	

5. Estimated Annual Energy Savings : 4,000.00 MBtus

6. Description (executive summary of goals and objectives)* :

This program will reduce energy and water loss through the performance of leak-detection surveys in rural water systems and by providing operators with training in leak-detection techniques and recommendations to minimize water loss. Energy savings will be reported with DOE generated metrics. All SEP funds associated with this market title will be used to reimburse a third party subgrantee for implementation of the program. \$7,500 in matching funds will be provided by the subgrantee.

DOE F 540.1
(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: Rural Water Leak Detection Program

7. Program Year Milestones* :

Milestone		Planned (Number)
1	Contact water systems to review water loss	400
2	Conduct leak-detection surveys	20
3	Provide operators on-the-job training in leak-detection techniques	40
4	Provide gallons of water saved and cost savings in water and energy	4
5	Prepare and submit Quarterly Program Status Reports	4
6	Prepare and submit quarterly energy savings metrics	4
7	Prepare and submit a Final Energy Savings Report	1

8. Standard metrics (required)**

JOB METRICS		Planned
Jobs		
Jobs created through Recovery Act funds		
Number of jobs created		0
Hours worked		
Total hours worked through Recovery Act funds		0
Total hours worked through Non-Federal funds		0

9. Specific metric activity (required)**

SPECIFIC METRICS	Planned
Special exception: No metrics for this activity	
No metrics for this activity	
Exempt from metric reporting	Yes

10. User specified metrics (optional)*

METRICS	Planned
Loans and Grants	
Grants given	
Number of grants	1
Total monetary value of grants	30,000

11. Program Year Funds by Source*

a. SEP Grant (all funds in the approved budget)	
Federal	\$30,000.00
LOCAL GOV	\$7,500.00
Market Budget Total	\$37,500.00
b. Leveraged funds anticipated (outside approved budget)	

DOE F 540.1
(08/05)

U.S. Department of Energy
STATE ENERGY PROGRAM (SEP)
NARRATIVE INFORMATION WORKSHEET

OMB: Control No. 1910-5126
Expiration Date: 06/30/11

(Identification Number: R410960)

Market Title: Rural Water Leak Detection Program

**Please use additional pages if more space is needed.*

***Mandatory requirement*

State Plan - Master File Worksheet**State: AL Program Year: 2010**

This worksheet should be completed as specified in Section III of the State Energy Program Application Package.

1. Description of State Energy Goals to be achieved (10CFR 420.13.b.2)

Alabama's State Energy Program (SEP) goals have developed from a compilation of legislative actions, executive orders, other planning efforts and initiatives, to align with U.S. Department of Energy (DOE) Program Year 2010 priorities, as well as goals and objectives delineated in the SEP Strategic Plan and the Energy Policy Act of 2005 (EPAAct 2005) Section 123. The Alabama State Energy Office (SEO), a division of the Alabama Department of Economic and Community Affairs, will direct SEP activities toward changing the behavior of participants in energy markets by increasing awareness of energy efficiency products, services and practices, supporting programs that contribute to a reduction in U.S. imported oil dependency and enhancing the resiliency of our energy system. Specifically, the SEP Program Year 2010 goals and objectives are:

- A. Increase the use of renewable energy and promote energy efficiency in Alabama to consumers, businesses and government
- B. Promote the production, distribution and use of alternative transportation fuels, alternative fuel vehicles and the use of biofuels in Alabama in order to reduce reliance on imported energy
- C. Promote energy efficiency and renewable energy technology
- D. Promote carpools, vanpools, ridesharing, and public transportation
- E. Serve on the newly enacted Green Fleets Review Committee to assist State agencies in making fleets more energy efficient and environmentally responsible. The committee will consider life cycle costing in the procurement of vehicles and will evaluate and recommend new energy efficiency and emissions reduction technologies for deployment in state fleets.
- F. Advocate energy code adoption for residential and commercial construction through participation in the Alabama Energy and Residential Code Board
- G. Decrease energy usage in public buildings through:
 - 1. Work with the new Governor's administration to revise the expiring Executive Order 33 to require a reduction of 30% in state facilities by 2015 for state owned and operated facilities
 - 2. Advocating building energy code adoption
 - 3. Advancing state procurement of ENERGY STAR® and other energy-efficient products
 - 4. Supporting and promoting performance contracting
 - 5. Supporting the Local Government Energy Loan Program
- H. Educate consumers and students in energy efficiency and renewable energy practices and methods to increase energy efficiency and reduce energy costs and consumption
- I. Train and educate teaching professionals and younger Alabamians
- J. Stimulate consumer demand and supplier innovation through training and education for residential industry professionals, building professionals and consumers
- K. Reduce impacts of energy shortages and/or disruptions by working to improve the reliability of the electricity and fuel supplies and the delivery of energy services
- L. Reduce energy usage in state buildings by installing Smart Meters to establish a baseline and provide real time data on energy consumption

2. Selection of State Goals (10CFR 420.13.b.2.ii)

In an effort to complement existing state and federal initiatives, the State Energy Office developed its SEP activities, to the greatest extent practicable, to strategically align with SEP Program Year 2010 priorities, goals and objectives outlined in the SEP Strategic Plan. The likelihood of goals and objectives to result in clearly identifiable outcomes or to promote sustainable change in Alabama's energy usage patterns was considered. Also taken into account was the capacity building potential of programs, as well as their ability to leverage state and federal resources. Current state initiatives include legislative and executive actions and were considered in the development of SEP programs. Executive Order 33 (EO), signed by the Governor in May 2006, directed all state departments and agencies to reduce their energy consumption by ten percent in all conditioned facilities by the end of Fiscal Year 2008, and twenty percent by Fiscal Year 2010. This order will expire in 2010. A new policy is being drafted for the next Administration. Significant progress to meet the goals of EO 33 has been achieved by most agencies. While many agencies continue to enter their energy use data, the Energy Star Portfolio Manager is being used to rate facilities. The SEO will recommend that the EO also require a reduction of 30% by FY 2015 relative to FY 2005 levels. This would align Alabama with Federal goals. The SEO is the lead agency for this initiative. Legislation establishing the Green Fleets Review Committee was recently passed by the Alabama legislature. Act 2009-650 creates the Committee to ensure compliance and provides for the creation of advisory subcommittees. In addition, it adopts a procedure for procuring state motor vehicles based on criteria that include fuel economy and life cycle costing and requires state motor vehicle fleet managers to classify their vehicle inventory for compliance with the program and submit annual plans for procuring fuel efficient vehicles. In addition, the Governor recently signed Act 2010-185 which expanded the Residential Energy Code Board of Alabama (RECA) to the Alabama Energy and Residential Code Board and giving them the authority to adopt and mandate residential and commercial energy codes and residential building codes. The existing board currently has 13 members representing various entities in the building community. The Act adds four new members representing the Joint Fire Council, Property and Casualty Insurance and a House and Senate member of the Permanent Joint Legislative Committee on Energy Policy. Also, through its participation in and support of the development and implementation of Alabama's E3-Economy, Energy and Environment initiative, the State Energy Office is assisting in the coordinated delivery of five federal programs to help communities work with their manufacturing base to adapt and thrive in a new business era focused on sustainability. E3 provides manufacturers with customized hands-on

State Plan - Master File Worksheet (continued)**State: AL Program Year: 2010**

assessments of production processes to reduce energy consumption, minimize their carbon footprint, prevent pollution, increase productivity, and drive innovation; lean/green project implementations; employee training in green skills. The E3 program helps foster a smarter and more efficient green workforce; promotes sustainable manufacturing and growth through innovative technology; improves the regional economy by retaining jobs in companies that are better positioned for global competition; and reduces environmental impacts while regaining a competitive advantage. Alabama's SEP, detailed in Item 1 above, is an important element in the overall blueprint of these various efforts to reform energy usage and consumption in the state.

3. Measuring Achievements (10CFR 420.13.b.2.iii)

Program performance will be measured, to the greatest extent possible, using the ARRA Benefits Calculator metrics methodology developed by National Renewable Energy Laboratory Recovery Act of 2009. For programs conforming to available metrics, performance measures are submitted with required reporting. Although improvement in energy efficiency for certain activities is difficult to report or capture, the SEO intends to monitor the results of energy efficiency improvement activities and to encourage the collection of performance data in a reportable format. The goal of performance reporting for the SEO is to be able to collect and convert all activity data into outcome data. For activities where there is currently no accurate or appropriate metric, the Division will institute metrics generated by DOE at such time as they are made available to states. Finally, as the result of several SEP-funded activities and in accordance with Executive Order 33, the State of Alabama is establishing a utility usage tracking system to monitor the energy cost and consumption in state facilities. Using Fiscal Year 2005 as a baseline, Executive Order 33 directed all state departments and agencies to reduce their energy consumption by ten percent in all conditioned facilities by the end of Fiscal Year 2008, and twenty percent by Fiscal Year 2010. Increasing use of performance contracting and energy-efficient retrofits is playing an important role in attaining the desired goals and many agencies have already surpassed the 20 percent goal. This order will expire in 2010. A new policy is being drafted for the next Administration. The SEO will recommend that the EO also require a reduction of 30% by FY 2015 relative to FY 2005 levels. This would align Alabama with Federal goals.

4. State Strategy (10CFR 420.13.b.2.iv)

The Alabama SEO's strategy for implementing its SEP is to foster programs that, to the greatest extent practicable, contribute to the achievement of the shared goals and objectives of several state and federal initiatives. Many of the programs are designed to change the behaviors of market participants to reflect increases in the use of energy-efficient products, services or practices and to lessen U.S. dependency on imported energy. In order to accomplish the goals and objectives set forth in Item 1, SEO programs will address the following areas:

Renewable energy will be advocated through presentations, partnerships, information distribution, workshops, taskforce development and other means promoting biofuels, bioenergy and solar energy.

Alternative transportation fuels and renewable biofuels will be promoted through regional workshops, taskforce participation, presentations, stakeholder coordination and website development.

Participate in subcommittee meetings of the Green Fleets Review Committee to consider life cycle costing in the procurement of vehicles and will evaluate and recommend new energy efficiency and emissions reduction technologies for deployment in state fleets.

Promote the use of landfill gas and biofuels to generate renewable energy.

Implementation and promotion of the Biomass Energy Program, through a partnership with the University of Alabama in Huntsville and (funded through the Stripper Well Plan), which provides interest subsidies on loans used to finance approved renewable fuel projects in commercial, industrial or institutional facilities.

Promote the local government loan program to local governments and K-12 schools and provide zero-interest loans for energy conservation improvements, energy audits and building retrofits.

Promote energy efficiency in industrial facilities and participation in the DOE Industrial Technologies Program to improve processes and practices that reduce energy use and costs of operation.

Participate in the partnership to implement Alabama's E3 initiative.

State Plan - Master File Worksheet (continued)**State: AL Program Year: 2010**

The Rural Water System Leak Detection Program will reduce energy usage and water loss.

Carpool and vanpool rideshare matching will be promoted to metropolitan and rural areas by promoting the CommuteSmart program through information distribution, presentations and internet communication. Public transportation will also be promoted through marketing materials.

The Energy Efficiency Procurement Program will increase energy efficiency in state facilities and advocate life-cycle costing to permit the expanded procurement of ENERGY STAR® products through state purchasing.

Performance contracting will contribute toward the reduction of energy consumption in state buildings and will be marketed to state agencies, local governments and schools.

The Building Energy Codes Programs will increase residential and public building energy efficiency through advocacy of code adoption and enforcement, and public building lighting and thermal efficiency standards. The Energy Division will participate in the newly created Alabama Energy and Residential Code Board which has the authority to adopt and mandate residential and commercial energy codes and residential building codes.

Energy consumer market transformation will occur through public energy education, stimulating demand for ENERGY STAR® products, residential building education, and K-12 energy education.

The impact of energy emergencies and disruptions will be reduced through the revision of the Alabama Energy Emergency and Assurance Plan.

Reduce energy usage in state buildings by installing Smart Meters to establish a baseline and provide real time data on energy consumption.

5. 25% or more improvement in the efficiency of use of energy by 2012 (1990 baseline)

Energy efficiency and renewable energy programs currently supported by the State Energy Office result in energy savings and reduced consumption that will contribute greatly to the achievement of Alabama's EAct goal. The SEO is working to develop additional methods of measuring and reducing energy consumption, while accounting for growth in population and productivity. Due to Alabama's demographic and economic makeup, measuring energy efficiency in terms of energy intensity of production more accurately depicts the state's consumption behavior. Considering historical trends, it is realistic to assume that with continued efforts toward increasing energy conservation, Alabama's projected EAct goal (based on 1990 data) of 14.69 million Btu's per dollar of real gross domestic product (based on chained 2000 dollars) may be exceeded by 2012. The SEO maintains a database of all required and recommended data, as available, concerning the EAct goal. The data is continually updated as information is received. A copy of this data and formulation of our energy efficiency goal is enclosed with our application entitled "AL-EAct.pdf." Development of the Alabama Energy Plan, implementation of a revised Executive Order 33 and focusing the SEP on programs that demonstrate a measurable impact on energy efficiency will contribute to Alabama's progress in achieving the required level of improvement. Alabama will also respond programmatically to efforts of DOE and the National Association of State Energy Officials (NASEO) to develop metrics for reporting state EAct progress.

6. Mandatory Activities (10CFR 420.13.b.4.v and 15)

All mandatory activities are implemented under Alabama's SEP. The State Energy Office has notified DOE that Alabama has met the federal mandate concerning commercial codes for new public buildings.

In 2009, Alabama incorporated energy efficiency criteria into its state procurement procedures. Acts 2009-652 and 2009-653 related to competitive bidding by the State of Alabama, allow for the consideration of life-cycle-costs to determine the lowest responsible bidder for personal property and for motor vehicles. Act 2009-650 also established the Green Fleet Review Committee and tasked it with assisting the state in establishing procurement policies incorporating life-cycle-costs for both vehicles and personal property, ensure compliance with policies and review progress.

With regard to mandatory lighting and efficiency standards and mandatory thermal efficiency standards for new and

State Plan - Master File Worksheet (continued)**State: AL Program Year: 2010**

renovated buildings, Alabama has been a home-rule state until recent legislation (Act 2010-185) established a regulatory body to adopt and implement the **state's first mandatory residential and commercial energy standards** to be based on the 2006 IECC, ASHRAE Standard 90.1-2007, or subsequent editions. The new law replaces the Residential Energy Code of Alabama (RECA) Board with the Alabama Energy and Residential Codes Board, giving the new board sole authority over adoption and implementation of the state's energy codes. It also allows for establishment of the new **Alabama Energy and Residential Codes for the State of Alabama**, established as the 2006 IECC/Standard 90.1-2007 for commercial buildings and the 2006 IRC for residential buildings, or "any subsequent editions". The residential energy code will also include prescriptive paths for home builders allowing them to reach a goal of up to 30 percent above code. Local jurisdictions would be prohibited from adopting codes that conflict with the new state codes or amending code requirements mandated by the Board without Board approval. (Jurisdictions that have already adopted codes by the effective date of the Act would be exempt from adopting the state code.) The mandatory residential and commercial energy codes will be adopted by the Board during the 2010 Program Year and will become effective within six months of adoption.

Enactment of this law is a positive step toward meeting the requirements of Title IV, section 410 of the American Recovery and Reinvestment Act (Pub. L. 111-5 (Feb. 17, 2009) to adopt the latest residential and commercial energy codes and becoming 90% compliant within the next seven years.

The State of Alabama has enacted legislation that meets the requirements of the "Right Turn on Red" measure and "Left Turn on Red" from a one-way street onto a one-way street. The law (Act No. 355) was passed by the Alabama Legislature in August 1976. Therefore, a narrative information worksheet will not be included in Alabama's Annual File.

The Energy Division will effectively coordinate all local, state, and Federal energy efficiency, renewable energy, and alternative transportation programs. Similar programs may be paired utilizing all resources to achieve the highest level of success. Although similar goals are associated with the EECBG, SEP goals and achievements will be reported separately and expenditures will be documented to provide the highest level of transparency.

Alabama will also implement several optional program activities that include public education to promote energy conservation, promotion of alternative transportation fuels and transportation efficiency, financing energy efficiency through loan programs and performance contracting, and the encouragement of the use of renewable energy technologies. The Narrative Activity Information Worksheets contained in the Annual File provide further compliance details and program descriptions.

7. Environmental Impact (10CFR 420.13.b.5)

Programs proposed under Alabama's SEP and are not expected to have any adverse impact on the environment.

8. Supplementing Weatherization (10CFR 420.13.b.6)

SEP funds are not used to purchase or install materials or equipment for the weatherization of low-income housing. SEP funds are not used to supplant the Weatherization Assistance Program in any way.

9. Supplementing State/Local Funds (10CFR 420.13.b.7)

SEP funds are not used to supplant state or local funds. SEP funds are used to conduct services and programs which supplement activities and to fund projects which would not be implemented without federal funds. The SEO adheres to state and federal procedures and has a written policy concerning this matter.

10. Compliance with Laws and Regulations (10CFR 420.13.b.8)

The State of Alabama Department of Economic and Community Affairs - Energy Division will comply with all applicable statutes and regulations in effect with respect to the periods for which the State receives grant funding.

State Plan - Master File Worksheet (continued)**State: AL Program Year: 2010****11. Energy Emergency Plan (10CFR 420.13.b.9)**

Alabama's Energy Emergency and Assurance Plan was updated in September 2006, and DOE acknowledged receipt of its informational copy of the revised plan on September 13, 2006. The State Energy Office is authorized by the Alabama Emergency Operations Plan as the primary agency responsible for energy emergency response, otherwise known as Emergency Support Function 12 (ESF 12). All energy emergency response activities are coordinated with the Alabama Emergency Management Agency and the Alabama Public Service Commission.

The SEO is updating the Energy Emergency and Assurance Plan through formula funding provided by solicitation DE-FOA-0000091. The Plan will not be updated under the State Energy Program; however, a copy of the updated plan will be forwarded to DOE upon completion.

12. Monitoring Approach (Annual SEP Guidance)

Alabama implements many of its SEP programs through subcontractual agreements with other agencies and organizations. All subgrants are monitored at least once during the contract term for compliance with applicable state and federal policies, rules and regulations. Primarily on-site or occasional desk monitoring, quarterly reporting and routine contract management provide an accurate representation of subgrantee performance with regard to financial accountability, program milestones, and program objectives. SEP activities implemented directly by State Energy Office also adhere to all applicable state and federal policies, rules and regulations. All programs are reviewed to determine effectiveness. Evaluation forms are required for all workshops/conferences and are reviewed to determine if corrective action is needed with regard to format and speakers.